

Attorney Docket No.: SIEB012/01US

(Now: 384818511US1)

Amendments to the Claims:

Following is a complete listing of the claims pending in the application, as amended:

1-52. (Canceled.)

53. (Currently Amended) A method for a server computer to of-distributeing and installing software upgrades on a client computers, in a client server system comprising:

setting minimum and maximum versions of installed software for clients; under control of the server computer,

defining contents of software version upgrade kits from the minimum and maximum versions of the software installed on client computers software, the software version upgrade kits each comprising files, actions, and an upgrade wizard to upgrade ene-or more a software components from one version to another version;

writing the contents of the software version upgrade kits to a database on the server computer as a table of contents, said-the table of contents showing for each of the upgrade kits the contents of an that upgrade kit and which any software components are required by a corresponding for an upgrade using that upgrade kit; <u>and</u>

for each of multiple client computers,

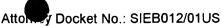
comparing the table of contents of the software version upgrade kits to software installed on that client computer to determine one or more software version upgrade kits that will each effect an upgrade on that client computer from a version of a software component currently installed on that client computer to an updated software component version; and

building copies of the determined software upgrade kits for that client computer from the table of contents; and

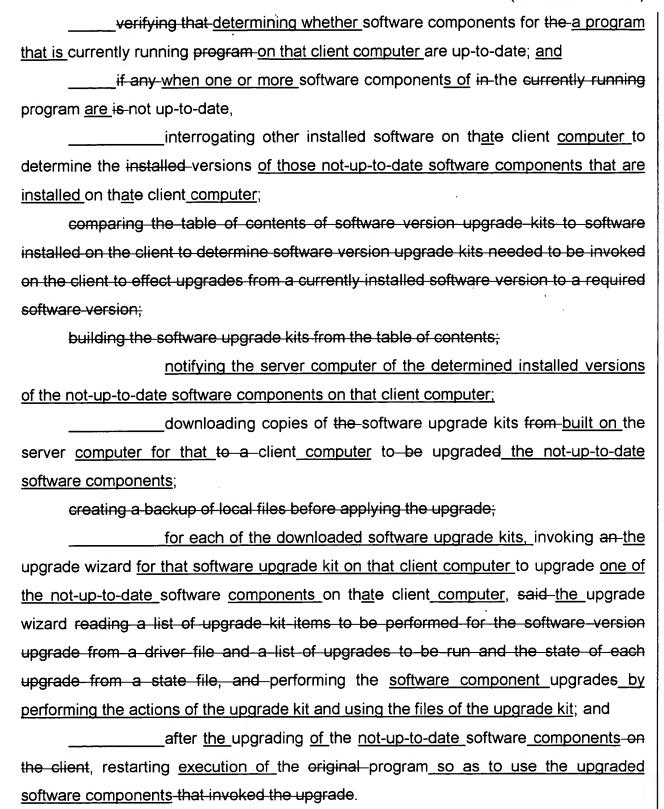
for each of the multiple client computers,

instantiating an application on the client computer;





(Now: 384818511US1)





3

Attorney Docket No.: SIEB012/01US

(Now: 384818511US1)

54. (Currently Amended) The method of claim 53 <u>including:</u>

before the performing of an upgrade of a software component, creating a backup of local files;

tracking the progress of an the performing of the upgrade; rolling back changes made during the performing after when an error occurs; rinstantiating the backed up-local files backup; and restarting the upgrade from a save point.

- 55. (Currently Amended) The method of claim 53 comprising monitoring the progress of the performing of an a software upgrade of a software component on a client from a server.
- 56. (Currently Amended) The method of claim 53 <u>including</u> downloading one or more upgrade kits <u>for software components</u> to a client <u>computer</u> before <u>it has been determined that</u> the client <u>computer</u> requires <u>the</u> upgrades <u>for those software components</u>.
- 57. (Currently Amended) The method of claim 53 wherein the software being upgraded currently running program on the multiple client computers is database management software, and wherein the upgradesd software components further include database schemas changes.
- 58. (Currently Amended) A client-server computinger system comprising a server computer and at least one client computer that periodically docksing with the server computer, said the server computer including a database management system and a database thereon, and wherein said the database is being partially replicated from the server computer to the client computer during docking, said the client-server system being configured to perform a method to apply upgrades from the server computer to software components resident on the client computer, from the server





(Now: 384818511US1)

computer, said client-server-computer system further being configured to the method comprising:

set minimum and maximum versions of installed software for the client computer; defininge contents of software—version upgrade kits from the minimum and maximum versions of the installed software, the software version upgrade kits comprising that each include files, and actions, and an indication of an upgrade wizard to upgrade one or more software components from one version to another version, the software components to be upgraded by at least some of the upgrade kits including database schema for the partially replicated database on the client computer;

writinge the contents of the software-version upgrade kits to a database as a table of contents, said-the table of contents showing the contents of an each upgrade kit and which-software components are required by a corresponding an upgrade using an upgrade kit;

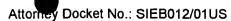
instantiating a software program on the client;

verifying that determining one or more software components for the <u>a</u> currently running <u>database management software program on the client computer that</u> are <u>not up-to-date</u>, the <u>database management software program interacting with the partially replicated database on the client computer, those one or more software components including at least one of the database schema for the partially replicated database on the client computer;</u>

if any software component in the currently running program is not up to date, interrogating other installed software on the client to determine the installed versions on the client;

comparing-retrieving identifications from the table of contents of the software version upgrade kits to the software installed on the client computer to determine software of one or more version upgrade kits needed to be downloaded from the server computer to the client computer and invoked on the client computer to effect upgrades of the determined software components from a currently installed versions software version to a required software-versions, the identified upgrade kits including one or





(Now: 384818511US1)

more of the at least some upgrade kits that upgrade the database schema for the partially replicated database on the client computer;

building copies of the identified software upgrade kits from and of additional upgrade kits based on the table of contents, the additional upgrade kits for performing upgrades of software components on the client computer that are not needed for the database management software program;

during docking of the client computer with the server computer, downloading copies of the <u>built software</u> upgrade kits from the server computer to the client computer;

creating on the client computer a backup of local files thereon before applying the upgrade;

invoking the upgrade wizard to <u>perform</u> upgrades on the client computer of at <u>least the determined</u> software <u>components</u> on the client <u>based on the downloaded</u> upgrade kits, the upgrading of each software component including identifying a state of the upgrade for that component and performing at least some of the <u>said</u> upgrade wizard reading a list of actions of the one or more upgrade kits items for that software component based on the identified state to be performed for the software version upgrade from a driver file and a list of upgrades to be run and the state of each upgrade from a state file and performing the upgrades; and

<u>after performing the software component upgrades,</u> restarting the <u>database</u> management original software program that invoked the upgrade.; and

subsequent to the docking of the client computer with the server computer, determining that the client computer needs one or more of the software component upgrades corresponding to the additional upgrade kits and performing those one or more upgrades based on the previously downloaded additional upgrade kits.

59. (Currently Amended) The client-server computinger system of claim 58 further configured to <u>create on the client computer a backup of local files before applying the upgrades from the downloaded software upgrade kits, to track the progress of an upgrade, and to, when an error occurs during the upgrade, roll back</u>



Attorney Docket No.: SIEB012/01US

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changes when an error occurs, instantiate the backed up local files backup, and restart the upgrade from a save point.

60. (Currently Amended) The client-server computinger system of claim 58 further configured to monitor the progress of a software upgrade on a the client computer from a the server computer.



- 61. (Canceled.)
- 62. (Canceled.)